



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010434  
CERTIFICATION DATE: October 8, 2013  
DATE RECERTIFICATION DUE: April 6, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

*Melissa Kennedy*

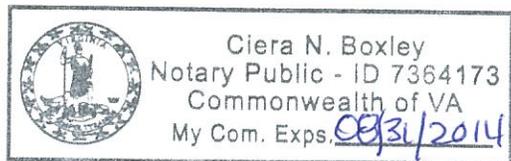
Melissa Kennedy  
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 25<sup>th</sup> day of October, 2013 by Melissa Kennedy

*Ciera N. Boxley*

Ciera N. Boxley, Notary Public



My commission expires: August 31, 2014

*sd*

Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 10/9/2013

*HMS*  
*RJP*

Instrument Serial Number: 010434

As of 09-Oct-13

Maintenance Date	Certification Date	Technician Initials	Remarks
08-Oct-13	08-Oct-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
21-May-13	21-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
14-Jan-13	14-Jan-13	TLN (25387)	CERTIFIED.
01-Nov-12	01-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
10-Mar-10	10-Mar-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
15-Sep-09	15-Sep-09	DBH (21250)	CERTIFIED.
25-Mar-09	25-Mar-09	RJP (22428)	CALIBRATED AND CERTIFIED.
20-Mar-09	20-Mar-09	MSK (21355)	REPLACED TANK TOP LID, CERTIFIED.
18-Mar-09	18-Mar-09	RJP (22428)	FIRMWARE/SOFTWARE UPGRADE. CERTIFIED.
26-Feb-09	26-Feb-09	RJP (22428)	CALIBRATED, CERTIFIED AND ACCEPTED.

# INTOX EC/IR II Quality Assurance Worksheet

*AMS*  
*MSK*

Instrument Serial Number **010434**      Worksheet Start Date **10/8/2013**

Location **Prince William County Adult Detention Center**

Address **9320 Lee Ave., Manassas, VA 20110**

DFS Technician **Heather Stanton**      License No. **18910**

Laboratory       On-Site

### Site Specifications

	Yes	No
<b>1 Secured Environment:</b> Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>2 Environment free from contaminants</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>3 Dedicated telephone line:</b> The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>4 Adequate Ventilation:</b> Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>5 Stable temperature controls:</b> The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>6 115VAC power source:</b> Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>7 Room Condition:</b> The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Old serial no.	New serial no.	
E-Seek			Supplies
Keyboard			Mouthpieces
Printer			Certificates of Analysis
UPS			Operator Worksheet
			Other:

Maintenance (if any)  
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010434 Certification Date 10/8/2013  
 Instrument Barometer (mm HG) 760 Reference Barometer (mm HG) 761  
 Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.247
0.250	0.250	0.242	0.257	<b>Sample 2</b>	0.247
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.246
0.001		0.246	0.247		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.152
0.150	0.150	0.145	0.154	<b>Sample 2</b>	0.152
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.152
0		0.152	0.152		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.080
0.080	0.080	0.077	0.083	<b>Sample 2</b>	0.080
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.080
0		0.080	0.080		

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.019
0.020	0.020	0.017	0.023	<b>Sample 2</b>	0.019
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

Calibrated  Certified  Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.) AG201104-26

Measurement Assurance Check  Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

<b>Standard (sea level)</b>	<b>PA Target</b>	<b>minimum</b>	<b>maximum</b>	<b>Sample 1</b>	0.099
0.100	0.100	0.097	0.103	<b>Sample 2</b>	0.100
<b>Precision</b>		<b>sample min</b>	<b>sample max</b>	<b>Sample 3</b>	0.099
0.001		0.099	0.100		

DFS Technician Heather M. Starks Date 10/9/13

Issuing Analyst Michael Kennedy Date 10/15/13

HWB  
MSK



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
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**BREATH ANALYSIS**

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>STANTON, HEATHER, M</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>18910</b>	LICENSE EXPIRES <b>10/01/2014</b>	DATE TEST CONDUCTED <b>10/08/2013</b>
TEST EQUIPMENT NUMBER <b>010434</b>		

RESULTS: TIME SAMPLE TAKEN 11:11 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

**ATTEST:**  
 I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 08 Oct 2013 at 11:41

*AMS  
PWSK*

## Test Results

**Instrument Serial Number 010434**

**Test # 000664**      Subject Test

Test Location 1    Department of  
Test Date    08 Oct 2013

Test Location 2    Forensic Science

Test Time    11:04

Test Location 3

System Check    Passed

Remote/Local    Local

Operator's Last Name    STANTON  
Agency    DFS Central Lab

Operator's First Name    HEATHER

Operator's Middle Initial    M

License Number    18910

Card Serial Number    118910

Effective Date    10/01/2012

Expiration Date    10/01/2014

Subject's Last Name    INSTRUMENT

Subject's First Name    TEST

Subject's Middle Initial

Subject's Date of Birth    00/00/0000

Subject's Sex    Male

Driver's License Number

Driver's License Expiration    00/00/0000

Driver's License State

Court Name    DFS

End Date    08 Oct 2013      End Time    11:12

Result Time    11:11

Result Date    08 Oct 2013      Result    0.00

Data Type    DIAG

Sample Value    Pass

Sample Time    11:05

Data Type    BLK

Sample Value    0.000

Sample Time    11:05

Data Type    CHK

Sample Value    0.100

Sample Time    11:06

Data Type    BLK

Sample Value    0.000

Sample Time    11:07

Data Type    SUBJ

Sample Value    0.000

Sample Time    11:08

Data Type    BLK

Sample Value    0.000

Sample Time    11:09

Data Type    SUBJ

Sample Value    0.000

Sample Time    11:11

Data Type    BLK

Sample Value    0.000

Sample Time    11:12

Standard Type    Dry Gas Std

Standard Value    0.100

Standard Lot Number    AG206601-14

Standard Expiration Date    03/06/2014

Tank Pressure    267

Barometric Pressure    760 mmHg

Blow Sample Number    1      Blow Duration    3.26 sec

Blow Volume    1788 cc      End-of-Blow Time    11:08

Blow Sample Number    2      Blow Duration    3.34 sec

Blow Volume    1800 cc      End-of-Blow Time    11:11

Tamper Evident Stamp    2cab0e6

Test Status Code    0

Test Status    Success

AND  
MSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 665

Test Date: 10/08/2013      Test Time: 11:13 EDT

Dry Gas Target: 0.100

Lot Number: AG206601-14      Exp Date: 03/06/2014

Tank Pressure: 262 psi      Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:13
CHK	0.100	11:14
BLK	0.000	11:16
CHK	0.100	11:17
BLK	0.000	11:18
CHK	0.099	11:19

Test Status: *Success*

Calibration CRC: 3CC96AF8

*Handwritten marks:*  
AKOS  
NWA

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 666  
Test Date: 10/08/2013      Test Time: 11:27 EDT  
Dry Gas Target: 0.300  
Lot Number: AG322702-02      Exp Date: 08/15/2015  
Tank Pressure: 125 psi      Barometric Pressure: 760 mmHg  
System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:28
CHK	0.299	11:28
BLK	0.000	11:30
CHK	0.298	11:31
BLK	0.000	11:32
CHK	0.297	11:33

Test Status: *Success*

Calibration CRC: 3CC96AF8

HMS  
MSK

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010434

System Date: 10/08/2013

System Time: 12:00 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HMS  
A22

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 667

Test Date: 10/08/2013      Test Time: 12:03 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 654 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:03
CAL	0.100	12:04

Test Status: *Success*

Calibration CRC: A219A2B5

HMS  
MSL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 668  
Test Date: 10/08/2013      Test Time: 12:07 EDT

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 2961225012-08      Exp Date: 11/01/2014

Tank Pressure: 551 psi      Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	12:07
BLK	0.000	12:08
CHK	0.247	12:09
BLK	0.000	12:10
CHK	0.247	12:11
BLK	0.000	12:13
CHK	0.246	12:13
BLK	0.000	12:15

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS  
NSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 669  
Test Date: 10/08/2013      Test Time: 12:16 EDT

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 0771315013-04      Exp Date: 05/01/2015

Tank Pressure: 90 psi      Barometric Pressure: 760 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:17
BLK	0.000	12:18
CHK	0.152	12:18
BLK	0.000	12:20
CHK	0.152	12:21
BLK	0.000	12:22
CHK	0.152	12:23
BLK	0.000	12:24

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS  
MSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 670  
Test Date: 10/08/2013      Test Time: 12:26 EDT

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 06512080I2-04      Exp Date: 04/01/2014

Tank Pressure: 100 psi      Barometric Pressure: 760 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:26
BLK	0.000	12:27
CHK	0.080	12:28
BLK	0.000	12:29
CHK	0.080	12:30
BLK	0.000	12:31
CHK	0.080	12:32
BLK	0.000	12:33

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS  
MSAL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 671  
Test Date: 10/08/2013      Test Time: 12:34 EDT

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 174 psi      Barometric Pressure: 759 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:35
BLK	0.000	12:36
CHK	0.019	12:36
BLK	0.000	12:38
CHK	0.019	12:38
BLK	0.000	12:40
CHK	0.019	12:40
BLK	0.000	12:42

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

HMS  
NSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 672

Test Date: 10/08/2013      Test Time: 12:44 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 110 psi      Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:44
CHK	0.301	12:45
BLK	0.000	12:47
CHK	0.299	12:48
BLK	0.000	12:49
CHK	0.299	12:50

Test Status: *Success*

Calibration CRC: A219A2B5

HMS

MSA

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010434      Test Number: 673

Test Date: 10/08/2013      Test Time: 12:53 EDT

Dry Gas Target: 0.100

Lot Number: AG201104-26      Exp Date: 01/11/2014

Tank Pressure: 786 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:54
CHK	0.099	12:54
BLK	0.000	12:56
CHK	0.100	12:57
BLK	0.000	12:58
CHK	0.099	12:59

Test Status: *Success*

Calibration CRC: A219A2B5

AMS  
MSL



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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**BREATH ANALYSIS**

SAMPLE EXAMINED AND TEST CONDUCTED BY  STANTON, HEATHER, M		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  18910	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  10/08/2013
TEST EQUIPMENT NUMBER  010434	[REDACTED]	

RESULTS: TIME SAMPLE TAKEN 13:06 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

**ATTEST:**

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



**IntoxNet MIS Report**  
Report Generated 09 Oct 2013 at 08:40

*HMS*  
*MS*

Test Results

**Instrument Serial Number 010434**

**Test # 000674**      Subject Test

Test Location 1    Department of  
Test Date    08 Oct 2013

Test Location 2    Forensic Science  
Test Time    13:00  
Remote/Local    Local

Test Location 3  
System Check    Passed

Operator's Last Name    STANTON  
Agency    DFS Central Lab

Operator's First Name    HEATHER

Operator's Middle Initial    M  
License Number    18910

Card Serial Number    118910

Effective Date    10/01/2012

Expiration Date    10/01/2014

Subject's Last Name    INSTRUMENT

Subject's First Name    TEST

Subject's Middle Initial

Subject's Date of Birth    00/00/0000

Subject's Sex    Male

Driver's License Number

Driver's License Expiration    00/00/0000

Driver's License State

Court Name    DFS

End Date    08 Oct 2013      End Time    13:08

Result Time    13:06

Result Date    08 Oct 2013

Result    0.00

Data Type    DIAG

Sample Value    Pass

Sample Time    13:01

Data Type    BLK

Sample Value    0.000

Sample Time    13:01

Data Type    CHK

Sample Value    0.099

Sample Time    13:02

Data Type    BLK

Sample Value    0.000

Sample Time    13:03

Data Type    SUBJ

Sample Value    0.000

Sample Time    13:04

Data Type    BLK

Sample Value    0.000

Sample Time    13:05

Data Type    SUBJ

Sample Value    0.000

Sample Time    13:06

Data Type    BLK

Sample Value    0.000

Sample Time    13:07

Standard Type    Dry Gas Std

Standard Value    0.100

Standard Lot Number    AG201104-26

Standard Expiration Date    01/11/2014

Tank Pressure    776

Barometric Pressure    759 mmHg

Blow Sample Number    1      Blow Duration    3.20 sec

Blow Volume    1781 cc      End-of-Blow Time    13:04

Blow Sample Number    2      Blow Duration    3.26 sec

Blow Volume    1781 cc      End-of-Blow Time    13:06

Tamper Evident Stamp    872b54f9

Test Status Code    0

Test Status    Success